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[\[Derwent Record\]](#)Country: **JP Japan**Kind: **A**Inventor: **HARA AKIHIKO;**Assignee: **HARA SEISAKUSHO:KK**
[News, Profiles, Stocks and More about this company](#)Published / Filed: **1998-03-10 / 1996-08-29**Application Number: **JP1996000228548**IPC Code: **C22C 5/06; A44C 1/00;**Priority Number: 1996-08-29 **JP1996000228548**Abstract: **PROBLEM TO BE SOLVED:** To obtain a silver alloy for personal ornaments, excellent in castability and capable of casting a silver-colored product of bright color tone without deteriorating sulfidation resistance, by mixing platinum alone with silver.

SOLUTION: An alloy, having a composition consisting of 90% silver and 10% platinum, is weighed by the prescribed amount. This alloy is subjected to vacuum melting and formed into ingot, which is rolled to the prescribed sheet thickness. On the other hand, a casting mold for rings, etc., is prepared by using gypsum by a lost wax process, etc. A molten metal, prepared by melting the ingot consisting of 90% silver and 10% platinum at about 1800°C, is rapidly poured through a sprue in the casting mold. The personal ornaments such as rings, prepared by this method, are free from cavity and excellent in castability and have a bright silver color tone without causing deterioration in sulfidation resistance over a long period. The silver alloy of this composition has simple harmonious color and is easy of manufacture and can provide personal ornaments easy of finish polishing.

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Family: **None**Other Abstract Info: **CHEMABS 128(21)260505B CAN128(21)260505B [DERABS C98-225322](#) [DERC98-225322](#)**